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Jed Heyes
Ed Vokoun

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IQA Implementation

Quality Assurance Program Implementation

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2009 DOE QA Concerns – CAP Status

◆ Open 2009 QA CAPs

- ❖ C6 Documentation of acceptance testing varies - OQ-01/04/2010-04
 - Inspection, test & S/CI assessment, Q1 FY2011
- ❖ C7 & C8 Identify assessment criteria, define terms – OQ-01/04/2010-02
 - C7 Mgmt. Assess. Procedure updated & posted - complete
 - C8 Indep. Assess. Procedure updated & posted - complete
 - Manual revised to incorporate H13 Clause requirements
 - ES&H/QA taskforce future integration FESHM & QA procedures

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2009 DOE QA Concerns – CAP Status

◆ Existing As-Is CAPs

- ❖ C5 Fermilab Chief Engineer – OQ-05/22/2009-01 – No change
- ❖ C4 & SC1 (sig. concern) Inconsistent engineering practices, lack of Engineering Manual – OQ-05/22/2009-02 – complete
- ❖ C9 & C10 S/CI roles & disposition – OQ-05/30/2009-06 – complete
 - Other activities
 - Collected training samples
 - S/CI tags approved by COO, ordered by Property Manager
 - FESHM update planned to reference the new tag
 - Upcoming S/CI assessment

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2009 DOE QA Concerns – 4 CAPs from 2006 DOE QA assessment

- ❖ Criterion 2 Job specific training – OQ-08/10/2009-01 - complete
 - System enhancements in process, pilot runs planned

- ❖ Criterion 4 Document management – OQ-08/05/2009-01
 - EDMS program of work completed 06/01/10
 - Other documents draft plan complete, final plan Q2 FY2011
 - Split above into two CAPs; CIO, COO
 - » COO for non IT (policy, process, procedures)

- ❖ Criterion 4 Records management – OQ-08/05/2009-02 85% by 09/30/10

- ❖ Criterion 8 Calibration – AD-05/07/2009-03 complete by 11/01/10

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Project QA Status

◆ Science / Project QA

◆ Project QAE

- Presentation on QA to management & project teams in review
 - Director's approved project QA charge
 - Began providing feedback on QA Plans (Minerva, Mu2e)
 - Developing templates, make available to L1, L2 project managers

◆ Science As-Is baseline & Final Report completed

- AD for Research deciding on Review Committee versus just AD
 - Review gaps, recommend & assign CAPs
 - Minerva, MINOS, Muon Accelerator, D0, Lattice QCD

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Assessment Program

◆ OQBP Assessment program

❖ FY2010 Completed

- FESS time & materials
- AD Linac power amp. tube management
- BSS Wired telecom
- ES&H Nuclear materials management
 - consolidated ES&H, QA
- TD Work Process Controls (report currently in review)
 - consolidated tripartite DOE, ES&H, QA
- CD WAN – Final report issued
- AD Power outage recovery – Large, final report in progress

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Assessment Program

- ◆ OQBP Assessment program 3 year approach
 - ❖ All QA criteria to be assessed FY2011-FY2013
 - All D/S/Cs
 - Scientific Research Projects
 - ❖ Priorities & sequence based on
 - Outstanding CAPS (Inspection & Test)
 - Program Maturity (Records Mgmt, M&TE)
 - V&V
 - Risk
 - Emerging issues take precedence
 - Results of previous assessments

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Assessment Program

◆ OQBP Assessment Plan

◆ FY2011

- S/CI inspection & test all D/S/Cs Q1, Q2
- Scientific editorial review (by request) Q1
- Records management Q2, Q3
- EVMS Q2
- OQBP V&V for closed assessment CAPs all D/S/Cs Q3
- M&TE all D/S/Cs 2 Large x-cutting Q4

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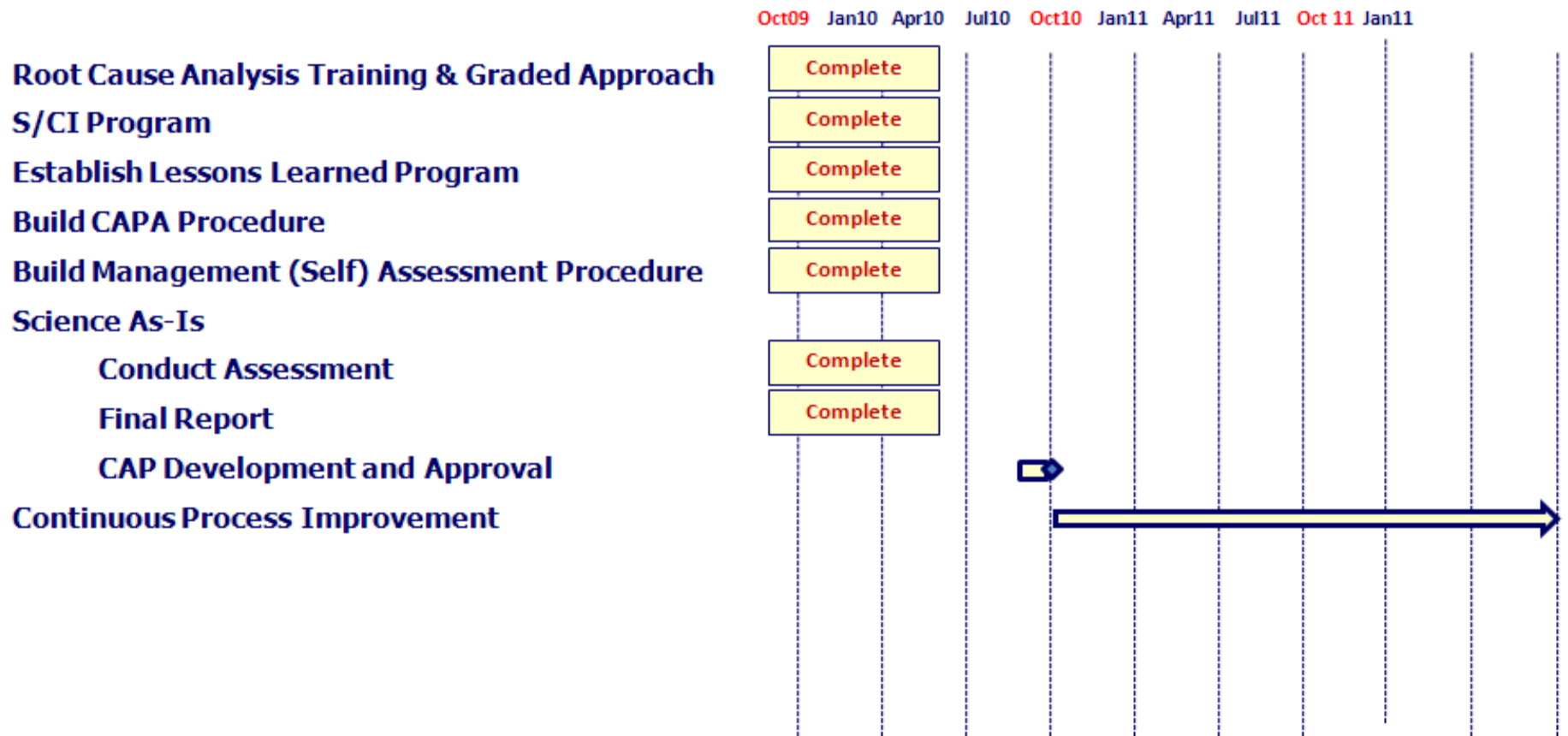
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Other

- ◆ Software, frESHTRK versus Vector - possible qaTRK overlay
- ◆ Automated Graded Approach Tool
 - ❖ QARs unfavorable experiences, reviewing alternatives
- ◆ Schedule consolidation – lists complete, maintenance ongoing
 - ❖ Need FSO input on DOE scheduled assessments
- ◆ Improved Integration with ES&H Management System
 - ❖ New ES&H/OQBP task force (SSOs & QA Mgr)
 - Updating FESHM & new QA RCA procedure – resolving CD inputs
 - Next will be CAPA, & Assessment Manual
- ◆ Improved S/CI Online Training
- ◆ New Online Assessment Program Training

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More Discussion Items

◆ FSO OQBP Joint Activities

- ❖ Next quarterly DOE QA brief by 15 Mar 2010
- ❖ Meeting to discuss FSO input on DOE assessments for consolidation
- ❖ Meeting to discuss next DOE QA assessment
 - scheduling, criteria, scope etc
- ❖ Other meetings needed?

Contractor Assurance Program Implementation

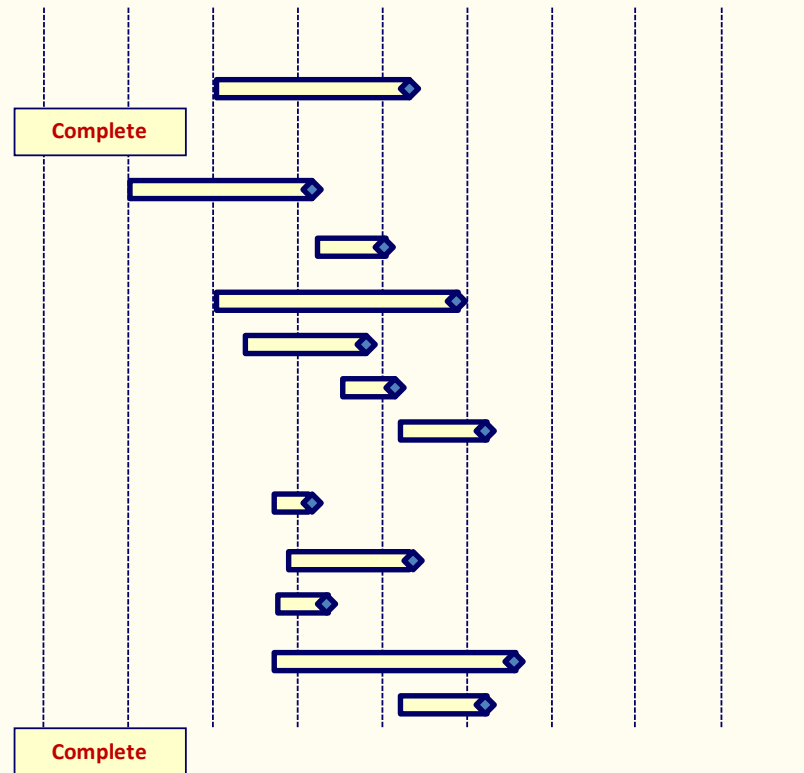
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Future Targets Against Schedule

Contractor Assurance

- Modify FICAP to Accommodate H13 Clause
- Build Consolidated Assessment Program
- Complete Management Review Procedure
- Complete Worker Feedback Procedure
- Contract Mapping, Orders, Policies, etc
- Management Systems, Owners, Documents
- Define New Policy Manual
- Create New Policy Manual
- FRA Board of Directors Role
- Reporting & Metrics
- Revise Assessment Manual
- Communicate CAS to Fermilab
- Benchmarking
- Lessons Learned

Oct09 Jan10 Apr10 Jul10 Oct10 Jan11 Apr11 Jul11 Oct11 Jan12 Apr12



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Questions?